Peter Lee

portfolio www.peterlee.tech

Contact
peter.lee@berkeley.edu

Skills

Languages
Java, Python, C/C++, Javascript, SQL, Latex

Frameworks
MEAN stack, React, OpenCV, TensorFlow, MXNet

Project Workflow
Github, Heroku, Linux

Design
Photoshop, Illustrator, InDesign, After Effects

Education

UC Berkeley
Class of 2019

B.A. Computer Science
GPA: 3.94

Relevant Coursework
CS61A – Structure and Interpretation of Computer Programs (A+)
CS61B – Data Structures and Algorithms (A+, Ranked 3rd out of 1360)
Data 8 – Introduction to Data Science (A+)
CS70 – Discrete Math and Probability Theory (A)
CS170 – Efficient Algorithms and Intractable Problems (A)
CS188 – Introduction to Artificial Intelligence (A)
Music 141 – University Symphony Orchestra (A, Cellist)

Experience

Introduction to Artificial Intelligence, ai.berkeley.edu
August 2017 – Present

Teaching Assistant

- Leading a discussion group of undergraduates to learn concepts of artificial intelligence
- Review topics including Markov models, Bayesian networks, reinforcement learning, and machine learning

Microsoft, www.onenote.com/learningtools
May 2017 – August 2017

Software Engineering Intern

- Developed reading analytics with eye tracking technology including generating heatmaps and detect reading speed
- Built automated collection of eye tracking data from user sessions to JSON files for data science team

Virtual Reality at Berkeley, vr.berkeley.edu
September 2016 – Present

Software Developer

- Developed a toolkit that enables human-computer interaction in 3D space on augmented reality platforms
- Integrated hand tracking algorithms using depth sensors, RBG cameras, and display glasses on wearable devices

Projects

RecognitionCV, github.com/petr-lee/RecognitionCV
December 2016 – January 2017

- Implemented handing tracking and face recognition programs using computer vision algorithms with OpenCV

Computer Science Mentors, csmentors.berkeley.edu
August 2016

- Built the official website for CSM based on Google's material design principles with over 10,000+ views

Awards

Data 8 Kaggle Competition
April 2017

1st Place

- Built a neural network with TensorFlow that classifies music genres based on word frequencies with 98% accuracy

Hackerrank World Cup
September 2015

Semifinalist

- Qualified for the semifinals by solving problems in C++ based on algorithms and theoretical computer science

Hack Into It
November 2015

3rd Place

- 24-hour hackathon hosted by Intuit seeking innovative methods of querying and visualizing large databases

Activities

Launchpad, www.callaunchpad.org
November 2016 – August 2017

Founder and President

- Created a student organization at UC Berkeley that explores the applications of deep learning and artificial intelligence

Innovative Design
September 2016 – May 2017

Gold Tier Member

- Provided graphic design and web development services to on-campus organizations using Adobe Illustrator